

KARNATAKA ICSE SCHOOLS ASSOCIATION

PREPARATORY EXAMINATION - JANUARY 2020

Class: X Duration: 2 ½ hours Subject: Mathematics

Max. Marks: 80 Date: 13/01/2020

Instructions

Answers of this Paper must be written on the paper provided separately.

You will not be allowed to write during the first 15 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt all questions from Section A and any four questions from Section B.

All working, including rough work, must be clearly shown and must be done on the same sheet as the rest of the answer.

Omission of essential working will result in loss of marks.

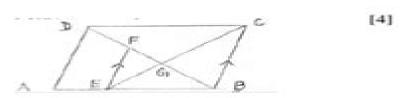
The intended marks for questions or parts of questions are given in brackets [].

Mathematical tables are provided.

Section A [40 marks]

Question 1

- (a) Using remainder and factor theorem, factorise the following polynomial: [3] $x^3 19x + 30$
- (b) A well of diameter 3 m is dug 14 m deep. The earth taken out of it has been spread evenly all around it in the shape of a circular ring of width 4 m to form an embankment. Find the height of the embankment. [3]
- (c) In the adjoining figure, ABCD is a parallelogram. E is a point on AB. CE intersects the diagonal BD at G and EF is parallel to BC. If AE: EB = 1:2, find
 - (i) EF : AD
 - (ii) area of Δ BEF: area of Δ ABD



Maths Prepatory Exams 2014 Memo

Randy E. Bennett, Matthias von Davier

Maths Prepatory Exams 2014 Memo:

Maths Prepatory Exams 2014 Memo Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the energy of words has be evident than ever. They have the capacity to inspire, provoke, and ignite change. Such is the essence of the book **Maths Prepatory Exams 2014 Memo**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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